

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-17 (canceled)

Claim 18 (new): A gel electrolyte secondary cell comprising:
a positive electrode;

a negative electrode comprising a current collector and a powder mixture composed of a mesophase graphite material and a binder, wherein the powder mixture is coated on the current collector at a thickness ranging from 10 μm to 200 μm , and wherein the mesophase graphite material has a specific surface area that ranges from 0.1 m^2/g to 1.2 m^2/g ; and

a gel electrolyte comprising an electrolyte salt, a non-aqueous solvent and a high-molecular weight material having a number average molecular weight ranging from 5000 to 500000, wherein the non-aqueous solvent consists essentially of propylene carbonate and ethylene carbonate, and wherein the gel electrolyte is in contact with the positive electrode and negative electrode and disposed therebetween.

Claim 19 (new): The gel electrolyte secondary cell according to claim 18 wherein the high-molecular weight material contains a nitrile group.

Claim 20 (new): The gel electrolyte secondary cell according to claim 19 wherein the high-molecular weight material is polyacrylonitrile.

Claim 21 (new): The gel electrolyte secondary cell according to claim 20 wherein a molar ratio of an acrylonitrile monomer to the non-aqueous solvent is 5:95 to 30:70.

Claim 22 (new): The gel electrolyte secondary cell according to claim 18 wherein the electrolyte salt of the non-aqueous solvent is LiPF_6 and wherein the concentration of LiPF_6 with respect to non-aqueous solvent is 0.4 mol/cm^3 to 2 mol/cm^3 .

Claim 23 (new): The gel electrolyte secondary cell according to claim 18 wherein the positive electrode contains a lithium-containing compound.

Claim 24 (new): The gel electrolyte secondary cell according to claim 18 wherein the lithium-containing compound is a complex compound of lithium and a transition metal.

Claim 25 (new): The gel electrolyte secondary cell according to claim 18 wherein the non-aqueous solvent includes 35 mol% or less of propylene carbonate.